

Product Data Sheet

Product Name: β -pBrPh-Glc

Cat. No.: GC70556

Chemical Properties

Cas. No. 30572-42-0

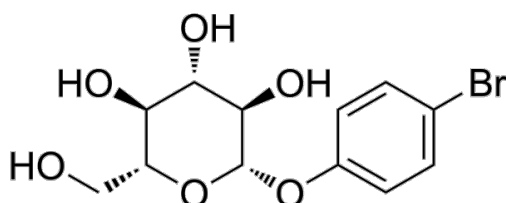
Formula $C_{12}H_{15}BrO_6$ M.Wt 335.15

Solubility DMSO : 100 mg/mL (298.37 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

β -pBrPh-Glc is a small-molecule ice recrystallization inhibitor. β -pBrPh-Glc can control the rate and extent of intracellular ice recrystallization in the nuclei over a broad range of subzero temperatures. β -pBrPh-Glc is an important tool to improve the recovery and function of cryopreserved cells and tissues.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Poisson JS, et al. Modulating Intracellular Ice Growth with Cell-Permeating Small-Molecule Ice Recrystallization Inhibitors. *Langmuir*. 2019 Jun 11;35(23):7452-7458.

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